

Hudson Technologies, Inc.

New York

EPA ID#: NY0001392463

EPA REGION 2

Congressional District(s): 20

Rockland
Village of Hillburn

NPL LISTING HISTORY
Proposed Date: 5/11/2000

Site Description

The Hudson Technologies Inc. (HTI) site was a freon recycling facility located in Hillburn, Rockland County, New York. Activities conducted by HTI at the facility included purifying spent refrigerant and returning it to customers. HTI began operations at the site in June 1994. The site property is approximately 3 acres in size and consists of a 20,500 square foot building.

In June 1995, United Water of New York (UWNY) reported to the Rockland County Department of Health (RCDH) that concentrations of trichlorofluoromethane (Freon 11) had been detected in two of its public supply wells (UWNY well Nos. 84 and 85), which are part of UWNY's Ramapo Valley wellfield. In response to reports of groundwater contamination, RCDH inspected the HTI site, which is located approximately 500 feet from Well No. 85. During the inspection, RCDH observed that floor drains, located in HTI's reprocessing area, were connected to a dry well located west of the building. In addition, it was noted that a septic system existed on site. In July 1995, RCDH directed HTI to close off its floor drains, sump and well, and properly abandon its septic system.

On April, 1, 1999, a failed connection hose to one of HTI's outdoor storage tanks resulted in a spill of approximately 8,000 pounds of Freon 11 to the ground surface. HTI immediately commenced excavation of soil impacted by the spill; approximately 400 to 500 cubic yards of contaminated soil were excavated from the area. Analytical results in monitoring wells and public supply wells after this spill indicated that the spill had impacted groundwater conditions. Two of UWNY's supply wells were taken off-line in 1999 due to Freon 11 contamination.

Site Responsibility: This site is being addressed through State actions.

Threat and Contaminants

Groundwater is contaminated with Freon 11. Individuals that may come in contact with the contaminated water could be at risk. Some of the UWNY wells were contaminated with Freon 11, and were taken off-line and pumped to waste to contain the plume and prevent distribution of contaminated water until an air stripping treatment system was constructed. An air stripping treatment system, completed in March 2001, removes the Freon 11 from the impacted well water prior to distribution. The water supply wells in the area are routinely tested to ensure compliance with State and Federal drinking water standards.

Cleanup Approach

The site is being addressed in one phase through early action activities pursuant to an enforcement agreement with New York State, with EPA oversight. If HTI does not carry out the clean up activities, as specified, in the State enforcement agreement, EPA would finalize the site on the NPL and begin the formal Superfund site clean up process.

Response Action Summary

Immediate Actions: Several actions have been taken pursuant to a State agreement with HTI; EPA has played a significant oversight role in the actions taken since the site was proposed for listing. Two of UWNY's supply wells were taken off-line in 1999 and pumped to waste in an effort to contain the plume. Since the spill in 1999, HTI upgraded a groundwater treatment system on its property; the system is addressing the most contaminated portion of the plume. In addition, construction of an air stripping treatment system was completed at the UWNY supply pumping station in March 2001 to treat Freon contamination that has impacted the wells. A sentinel well was also installed to serve as an early warning system should the contamination migrate further and threaten the nearby Suffern Village Well Field water supply; HTI is working with the Village of Suffern to address the potential threats posed by this contamination should it

reach the Village's wellfield.

Entire Site: It is anticipated that efforts taken pursuant to the State enforcement agreement with HTI, and other voluntary actions taken by HTI, will address the threats posed by this Site. EPA has been active in participating with the State and responsible parties in the remediation of the threats posed by the Site.

Cleanup Progress

The treatment systems on the HTI property and at the UWNYP pumping station are treating the significant contamination in the groundwater and ensuring the distribution of a water supply that meets State and Federal drinking water standards. As a result, the cleanup actions are currently addressing the threats to the public health and the environment posed by the HTI site. To date, the treatment system on the HTI property has treated approximately 664 million gallons of contaminated groundwater.

Site Repositories

U.S. Environmental Protection Agency, 290 Broadway, New York, N.Y. 10007, (212) 637-4406